

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



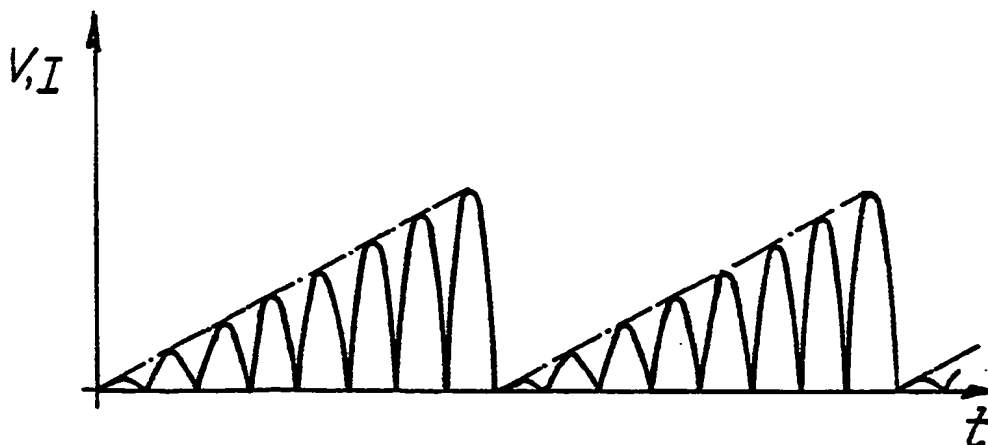
(43) International Publication Date
14 December 2000 (14.12.2000)

PCT

(10) International Publication Number
WO 00/74774 A1

- (51) International Patent Classification⁷: A61N 1/32
- (21) International Application Number: PCT/IT00/00227
- (22) International Filing Date: 5 June 2000 (05.06.2000)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
FI99A000141 9 June 1999 (09.06.1999) IT
- (71) Applicants and
(72) Inventors: D'AFRICA, Antonino [IT/IT]; Via Modena S. Sperato II trav., 46, I-89100 Reggio Calabria (IT). PADUANO, Guido [IT/IT]; Via Roma, 12, I-22067 Missaglia (IT). SARTORI, Massimo [IT/IT]; Viale Marelli, 152, I-20099 Sesto S. Giovanni (IT).
- (74) Agents: MANNUCCI, Gianfranco et al.; Via della Scala, 4, I-50123 Firenze (IT).
- (81) Designated States (*national*): AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).
- Published:**
— *With international search report.*
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: IONOPHORETIC DRUG DELIVERY DEVICE



(57) Abstract: The device (1) for the transdermal administration of an active compound comprises a current generator and at least one pair of electrode (3, 5) for application to a patient, one of which is designed to contain a vehicle containing the active compound. The generator generates a one-way amplitude-modulated current between said electrodes through a modulator having a periodical function.

WO 00/74774 A1